



P.B. 5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ (070) 340 2040
Tx 31651 epo nl
FAX (070) 340 3016

Europäisches
Patentamt
Zweigstelle in
Den Haag
Recherchen-
abteilung

European
Patent Office
Branch at
The Hague
Search
Division

Office européen
des brevets
Département a
La Haye
Division de la
recherche

Schüssler, Andrea, Dr.
Kanzlei Huber & Schüssler
Truderinger Strasse 246
81825 München
ALLEMAGNE

Huber & Schüssler
Patentanwälte

27. MRZ. 2002

Frist: 22.4.02 6/11K

RECOMMANDÉ
AANGETEKEND

Datum/Date

22.03.02

Zeichen/Ref./Réf.

P 3069EU / st

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°

99961957.0-2405/US9929123

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

PROTEIN DESIGN LABS, INC.

COMMUNICATION

The European Patent Office herewith transmits the partial European search report under Rule 46(1) EPC relating to the above-mentioned European patent application.

Copies of the documents cited in the search report are enclosed.

The applicant's attention is drawn to the following:

The search Division informs the applicant that if the European search report is also to cover inventions other than the invention first mentioned in the claims, a further search fee must be paid for each of these inventions, within ONE MONTH after notification of this communication.

If the application has been filed up to 30 June 1999, the search fee in force before 01 July 1999 (EUR 869,-) or the equivalent applicable on the date of payment is payable.

This applies also to the search fees requested under Rule 46(1) EPC.

See also OJ EPO 06/1999, 405.

Moreover, the Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims; reference is made to sheet C, which is attached to the search report.

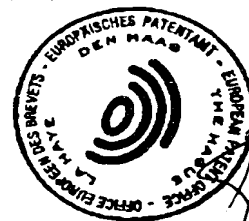
☐ The abstract was modified by the Search Division and the definitive text is attached to the present communication.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) attached as well.

Note to users of the automatic debiting procedure:

Unless the EPO receives prior instructions to the contrary, the search fee(s) will be debited on the last day of the period for payment. For further details see the Arrangements for the automatic debiting procedure, Supplement to OJ EPO 02/1999.

REGISTERED LETTER







European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

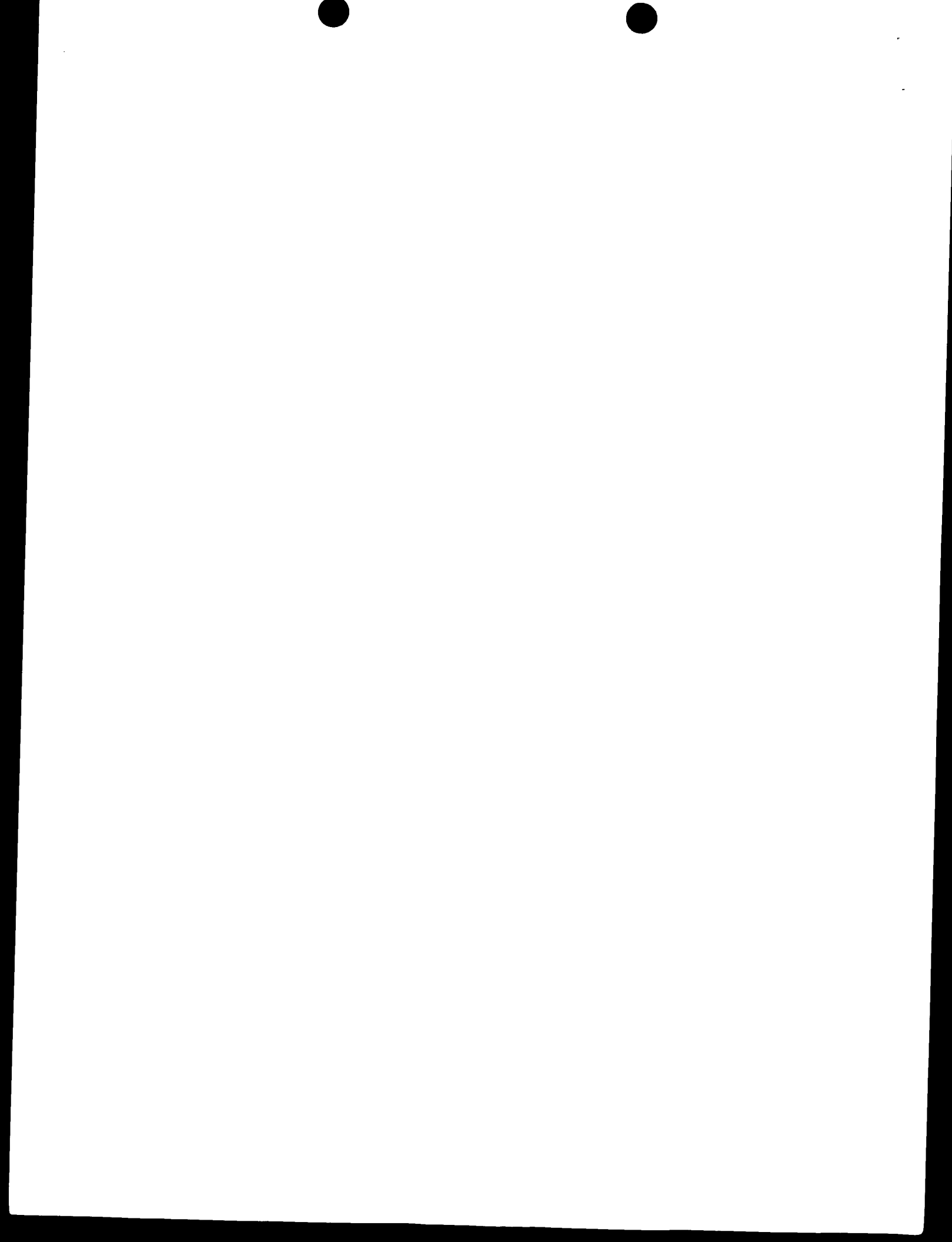
Application Number

under Rule 46, paragraph 1 of the European Patent Convention EP 99 96 1957

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y	WO 97 38093 A (BRIGHAM & WOMENS HOSPITAL) 16 October 1997 (1997-10-16) * claim 12 *	1-5, 9-13	C12N15/00 A61K39/395
Y	WRONE-SMITH T AND NICKOLOFF B: "Dermal injection of immunocytes induces psoriasis" J CLIN INVEST, vol. 98, no. 8, October 1996 (1996-10), pages 1878-1887, XP002188300 * figure 4 *	1-5, 9-13	
X	WO 98 41232 A (BASF AG ; CARTER ADAM (US); SEKUT LES (US); GHAYUR TARIQ (US); TRAC) 24 September 1998 (1998-09-24) * claims 6, 7 *	25	
X	WO 98 16248 A (US HEALTH ; KELSALL BRIAN L (US); MARTH THOMAS (US); STROBER WARREN) 23 April 1998 (1998-04-23) * claims 2, 8 *	25	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C12N A61K A01K C07K
LACK OF UNITY OF INVENTION			
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:			
see sheet B			
The present partial European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.			
Place of search THE HAGUE		Date of completion of the search 15 February 2002	Examiner Lonnoy, 0
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

3

EPO FORM 1503 03 82 (P04C23)





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
D,X	WO 95 34324 A (PROTEIN DESIGN LABS INC ;BERG ELLEN L (US)) 21 December 1995 (1995-12-21) * claim 12 *	25-27	
D,P, X	HONG K ET AL: "IL-12, independently of IFN-gamma, plays a crucial role in the pathogenesis of a murine psoriasis-like skin disorder" J IMMUNOL, vol. 162, no. 12, 15 June 1999 (1999-06-15), pages 7480-7491, XP002188301 * the whole document *	1-32	
D,A	NICKOLOFF B AND WRONE-SMITH T: "Animal models of psoriasis" NAT MED, vol. 3, no. 5, May 1997 (1997-05), pages 475-476, XP002188302		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	BAKER B ET AL: "Induction of cutaneous lymphocyte-associated antigen expression by group A streptococcal antigens in psoriasis" ARCH DERMATOL RES. , vol. 289, no. 12, November 1997 (1997-11), pages 671-676, XP002188303 * figure 3 *	25	
A	WO 96 40093 A (FUJI PHOTO FILM CO LTD) 19 December 1996 (1996-12-19) * abstract *	25	
	--- -/--		





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03, 31 March 1997 (1997-03-31) & JP 08 289699 A (CHEMO SERO THERAPEUT RES INST;KAKIMOTO KIICHI), 5 November 1996 (1996-11-05) * abstract * -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-24, 28-32 (all totally) and 25-27 (all partially)

1.1. Claims: 1-24,
28-32 (all totally) and 25-27 (all
partially)

Method for inducing a psoriasis-like syndrome in an animal, the method comprising the steps of transferring CD45Rb cells and administering at least one pro-inflammatory cytokine and at least one polyclonal activating agent; said method wherein said cytokine is IL-12; screening method employing said method for inducing a psoriasis-like syndrome in an animal; animal model obtained; Use of anti-IL12 antibody in the preparation of a pharmaceutical composition for treating psoriasis.

1.2. Claims: 25-27 (all partially)
Use of anti-E selectin antibody in the preparation of a pharmaceutical composition for treating psoriasis.

1.3. Claims: 25-27 (all partially)
Use of anti-P selectin antibody in the preparation of a pharmaceutical composition for treating psoriasis.

2. Claims: 25-27 (all partially)

Use of anti-IFNgamma antibody in the preparation of a pharmaceutical composition for treating psoriasis.

3. Claims: 25-27 (all partially)

Use of anti-CD3 antibody in the preparation of a pharmaceutical composition for treating psoriasis.

4. Claims: 25-27 (all partially)

Use of anti-alphaE integrin antibody in the preparation of a pharmaceutical composition for treating psoriasis.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.





European Patent
Office

INCOMPLETE SEARCH
SHEET C

Application Number
EP 99 96 1957

Although claims 25-27 and 29-32 are directed to methods of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compounds/compositions.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 96 1957

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-02-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9738093	A	16-10-1997	US	5945576 A	31-08-1999
			WO	9738093 A1	16-10-1997
WO 9841232	A	24-09-1998	US	6054487 A	25-04-2000
			AU	734756 B2	21-06-2001
			AU	6760498 A	12-10-1998
			BG	103808 A	31-07-2000
			BR	9810409 A	22-08-2000
			CN	1269722 T	11-10-2000
			DE	998300 T1	01-03-2001
			EP	0998300 A1	10-05-2000
			ES	2146192 T1	01-08-2000
			NO	994506 A	17-11-1999
			PL	336464 A1	19-06-2000
			SI	20110 A	30-06-2000
			SK	122199 A3	11-12-2000
			TR	9902615 T2	21-03-2000
			WO	9841232 A2	24-09-1998
WO 9816248	A	23-04-1998	WO	9816248 A1	23-04-1998
			AU	7257696 A	11-05-1998
WO 9534324	A	21-12-1995	US	5622701 A	22-04-1997
			AU	2821195 A	05-01-1996
			CA	2191870 A1	21-12-1995
			EP	0765172 A1	02-04-1997
			JP	10502168 T	24-02-1998
			WO	9534324 A1	21-12-1995
			US	6210670 B1	03-04-2001
WO 9640093	A	19-12-1996	US	5880146 A	09-03-1999
			AU	5911496 A	30-12-1996
			WO	9640093 A2	19-12-1996
JP 08289699	A	05-11-1996	NONE		